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Glass Compositions and Analyses

Code	Na	P	A1	F	O	K	Ca	Mg	Na+ K	F Analysed	Solubility	Melt Temp	Melt Time	Fluoride Retention
1	21.23	20.67	6.76	19.48	31.86	0	0		21.23	10.4	149	650C	45MIN	53.39
2	22.47	20.37	6.22	19.54	31.39	0	0		22.47	10.97	503	650C	45MIN	56.14
3	23.68	20.08	5.69	19.6	30.94	0	0		23.68	11.81	2920	650C	45MIN	60.26
4	21.54	21.18	6.26	18.37	32.64	0	0		21.54	10.94	288	650C	45MIN	59.55
5	21.16	20.81	5.27	18.94	32.07	0	0	1.75	21.16	11.45	215	650C	45MIN	60.45
6	21.23	20.67	6.76	19.48	31.86	0	0		21.23	11.42	149	650C	45MIN	58.62
7	21.13	20.87	4.55	18.67	32.17	0	0	2.59	21.13	11.78	305	650C	45MIN	63.10
8	22.88	20.27	6.04	19.56	31.25	0	0		22.88	12.01	1385	650C	45MIN	61.40
9	23.28	20.17	5.87	19.59	31.09	0	0		23.28	12.15	2513	650C	45MIN	62.02
10	23.21	19.68	6.22	20.56	30.33	0	0		23.21	11	1816	650C	45MIN	53.50
11	22.72	20.31	6.11	19.56	31.3	0	0		22.72	12.03	1982	650C	45MIN	61.50
12	22.91	19.16	6.72	21.68	29.53	0	0	0	22.91	14.11	1684	650C	45MIN	65.08
13	23.14	18.55	6.97	22.76	28.59	0	0	0	23.14	14.95	1715	650C	45MIN	65.69
14	21.9	20.13	5.27	19.94	31.02	0	0	1.75	21.9	13.22	405	650C	45MIN	66.30
15	22.63	19.44	5.26	20.94	29.97	0	0	1.75	22.63	14.06	661	650C	45MIN	67.14
16	22.13	18.76	5.26	22.3	28.92	0	0	2.62	22.13	14.79	685	650C	45MIN	66.32
17	21.83	18.24	5.75	23.42	28.12	0	0	2.64	21.83	14.86	560	650C	45MIN	63.45
18	14.92	20.67	6.76	18.04	31.86	7.75	0	0	22.67	11.15	61	650C	45MIN	61.81
19	14.29	19.79	6.25	19.71	30.5	7.68	0	1.78	21.97	12.42	100	650C	45MIN	63.01
20	22.07	21.09	6.01	18.34	32.5	0	0	0	22.07	11.2	194	650C	45MIN	61.07
21	21.85	21.68	5.76	17.29	33.42	0	0	0	21.85	10.2	574	650C	45MIN	58.99
22	18.95	19.44	5.26	20.1	29.97	4.53	0	1.75	23.48	12.6	389	650C	45MIN	62.69
23	21.23	20.67	6.76	19.48	31.86	0	0		21.23	11	130	650C	90MIN	56.47
24	21.23	20.67	6.76	19.48	31.86	0	0		21.23	10.2	79	650C	180MIN	52.36
25	18.95	19.44	5.26	20.1	29.97	4.53	0	1.75	23.48	13.4	466	650C	45MIN	66.72

Fig. 1

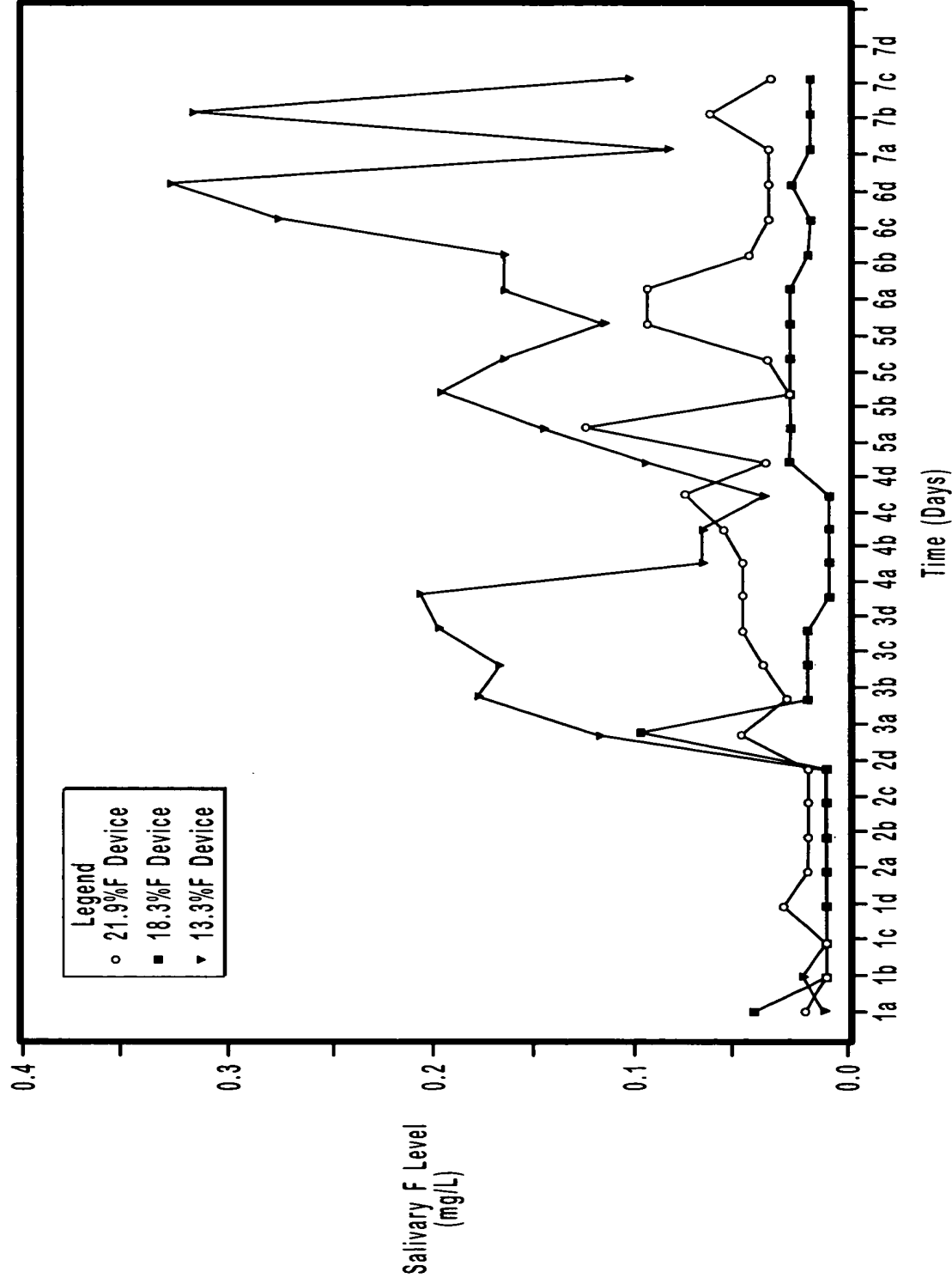


Fig. 2

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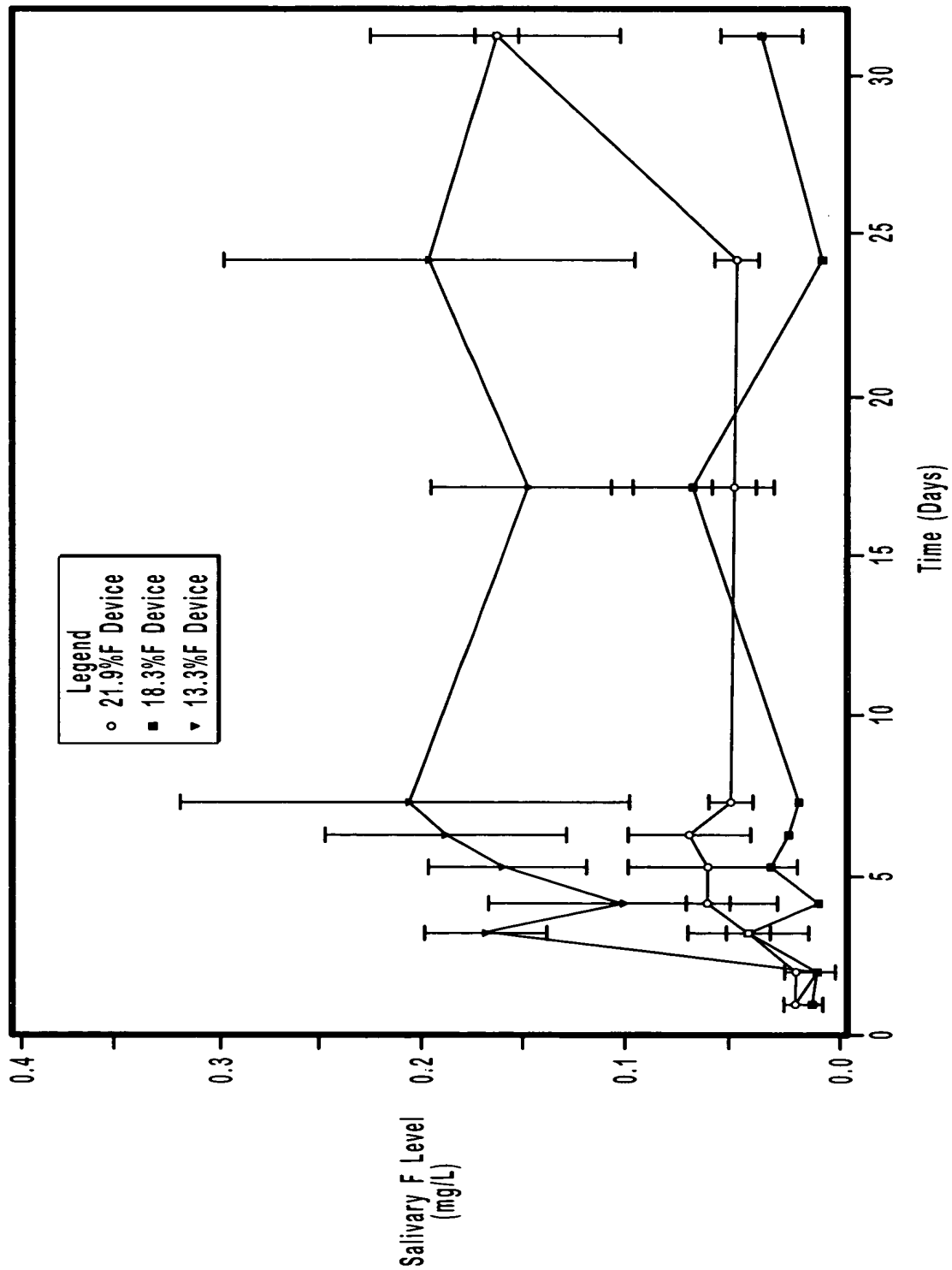


Fig. 3

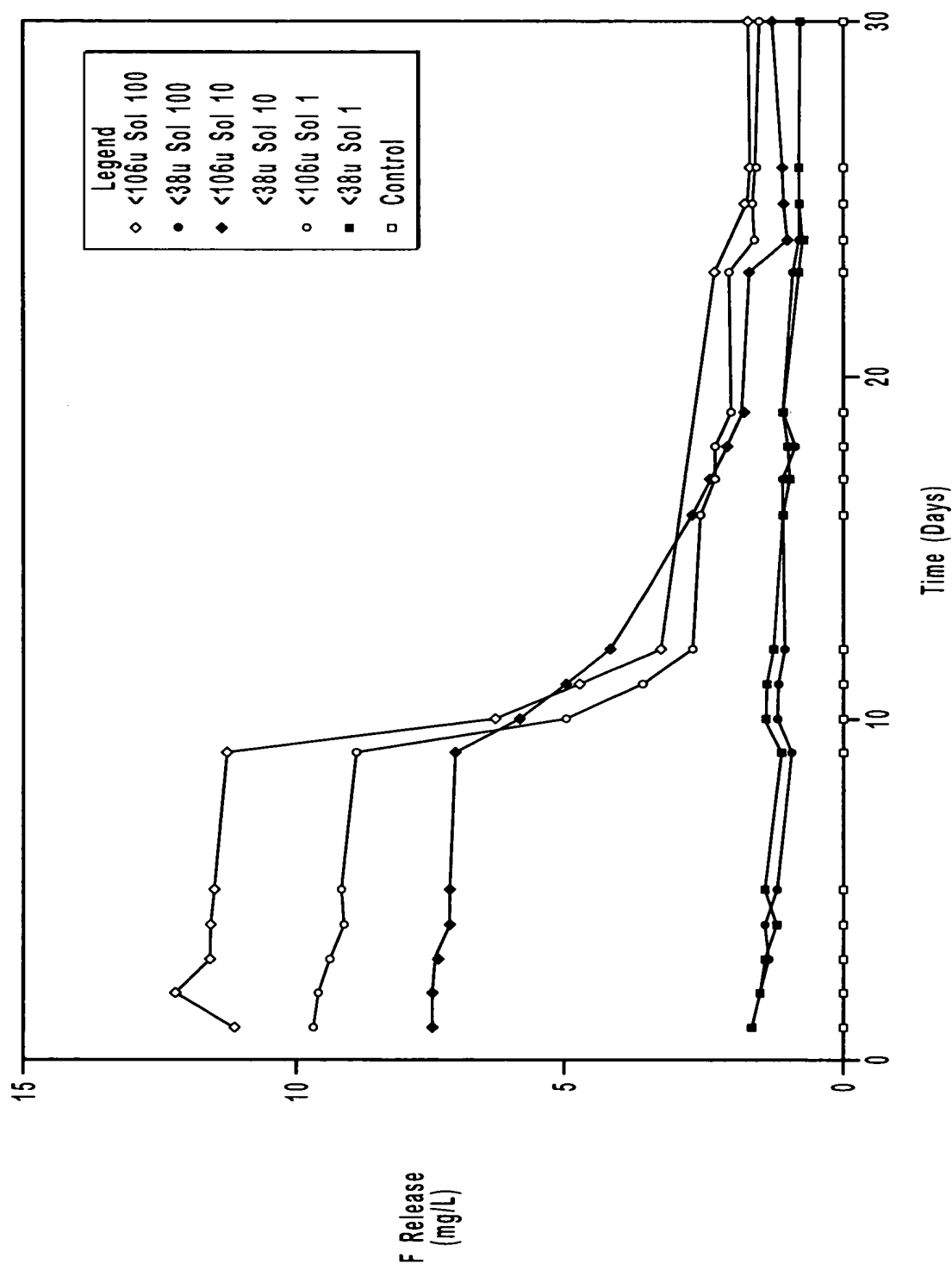


Fig. 4

## Title: METHOD OF TREATING A PATIENT'S TEETH USING FLORIDE RELEASING GLASS COMPOSITION

Inventors: Brian Algar, Jack Toumba and Martin Curzon

Docket No.: 7678.576a.1.1

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## FULL LIST OF GLASS COMPOSITIONS

CODE	Na	P	Al	F	O	K	Ca	Mg	TOT.	Na+K	F Anal.	Sol.	Ret.	Devil.	Grade
63	19.91	18.54	8.87	24.1	28.58	0	0	0	100.0	19.91	10.7	45	44.40		
47	16.16	20.67	6.76	18.33	31.86	6.2	0	0	100.0	22.38	10.2	50	55.65		
18	14.92	20.67	6.76	18.04	31.86	7.75	0	0	100.0	22.67	11.15	61	61.81		
62	20.25	19.09	8.33	22.92	29.41	0	0	0	100.0	20.25	10.8	65	47.12		
34	20.58	18.62	7.8	21.75	30.25	0	0	0	100.0	20.58	11.9	78	54.71		
45	18.71	20.67	6.76	18.9	31.86	3.1	0	0	100.0	21.81	10.7	78	56.81		
46	17.44	20.67	6.76	18.61	31.86	4.65	0	0	100.0	22.09	10	79	53.73		
37	14.79	20.49	6.25	18.33	31.57	7.68	0	0.89	100.0	22.47	9.8	80	53.46		
44	19.97	20.67	6.76	19.19	31.86	1.66	0	0	100.0	21.62	10.6	80	55.24		
19	14.29	19.79	6.25	18.71	30.5	7.68	0	1.78	100.0	21.97	12.42	100	63.01		
71	18.97	20.11	6.85	18.72	31.01	3.34	0	0	100.0	22.31	10.6	100	53.75		
33	20.91	20.15	7.27	20.61	31.06	0	0	0	100.0	20.91	11.4	103	55.31		
69	11.86	18.35	7.11	20.48	28.33	13.87	0	0	100.0	25.73	11.5	107	56.15		
70	18.06	19.54	6.93	18.97	30.14	8.76	0	0	100.0	23.42	10.9	110	54.58		
38	14.66	20.3	6.76	18.61	31.29	7.81	0	1.76	100.0	22.27	10.2	128	54.81		
56	15.29	21.18	6.26	18.94	32.64	7.69	0	0	100.0	22.98	9.9	149	58.44		
1	21.23	20.67	6.76	19.48	31.86	0	0	0	100.0	21.23	10.65	168	64.67		
68	6.81	17.09	7.3	21.02	26.43	21.36	0	0	100.0	28.17	10.3	183	49.00		
36	21.45	20.06	7.02	20.66	30.92	0	0	0	100.0	21.45	12.1	166	58.85		
39	14.16	19.62	6.76	19.7	30.23	7.61	1.16	1.76	100.0	21.77	10	189	60.76		
20	22.07	21.09	8.01	18.34	32.6	0	0	0	100.0	22.07	11.2	194	61.07		
35	21.67	19.45	7.27	21.85	29.97	0	0	0	100.0	21.67	12.4	196	57.27		
51	22.08	18.72	7.48	22.87	28.85	0	0	0	100.0	22.08	13.2	211	57.72		
5	21.16	20.61	5.27	18.94	32.07	0	0	1.75	100.0	21.16	11.45	215	60.46		
50	22.61	18.63	7.22	22.61	28.72	0	0	0	100.0	22.61	12.2	234	53.49		
4	21.64	21.18	8.26	18.37	32.64	0	0	0	100.0	21.54	10.94	268	59.55		
41	20.83	20.38	5.03	19.75	31.41	0	0	2.61	100.0	20.83	11.9	297	60.25		
7	21.13	20.87	4.55	18.67	32.17	0	0	2.59	100.0	21.13	11.78	305	63.10		
40	14.04	19.44	5.26	19.69	29.97	7.54	2.3	1.75	100.0	21.58	11.5	315	58.41		
25	19.27	19.95	4.79	19.02	30.75	4.49	0	1.73	100.0	23.76	11.07	370	58.20		
72	22.11	19.53	5.51	20.99	30.1	0	0	1.76	100.0	22.11	11.9	372	56.69		
14	21.9	20.13	5.27	19.94	31.02	0	0	1.75	100.0	21.9	12.9	385	64.69		
22	18.95	19.44	5.26	20.1	29.97	4.53	0	1.75	100.0	23.48	12.6	389	62.69		
65	13.05	18.08	5.26	22.21	27.87	6.03	5.75	1.75	100.0	19.08	13.5	401	60.78		
57	15.15	20.99	5.76	18.6	32.36	9.14	0	0	100.0	24.29	9.4	405	56.63		
42	20.64	20.2	4.55	19.74	31.14	0	1.14	2.59	100.0	20.64	11.6	410	58.76		
64	13.05	18.08	5.26	21.85	27.87	7.54	4.6	1.75	100.0	20.59	12.1	413	55.38		
59	21.11	22.37	5.77	16.27	34.46	0	0	0	100.0	21.11	7.8	435	47.94		
31	19.27	19.95	4.79	18.74	30.75	4.49	1.14	0.87	100.0	23.76	11.34	499	60.51		
2	22.47	20.37	6.22	19.54	31.39	0	0	0	100.0	22.47	10.97	503	58.14		
26	19.59	20.45	4.32	17.95	31.52	4.46	0	1.72	100.0	24.04	10.73	570	59.78		
43	20.16	19.53	4.55	20.81	30.1	0	2.27	2.59	100.0	20.16	12.1	570	58.15		
21	21.85	21.68	5.76	17.29	33.42	0	0	0	100.0	21.85	10.2	574	56.99		
80	23.62	20.15	4.97	19.33	31.06	0	0	0.86	100.0	23.62	10.2	631	52.77		
30	19.27	19.95	4.79	18.47	30.75	4.49	2.28	0	100.0	23.76	10.99	699	59.50		
79	23.62	20.15	4.97	19.06	31.06	0	1.13	0	100.0	23.62	9.1	785	47.74		
28	18.78	19.28	4.78	19.73	29.71	5.98	0	1.73	100.0	24.76	11.2	851	56.77		
27	19.39	19.28	4.78	19.87	29.71	5.23	0	1.73	100.0	24.62	12.9	860	64.92		
32	18.78	19.27	4.78	19.19	29.71	5.98	2.28	0	100.0	24.76	12.4	949	64.62		
29	19.11	19.79	4.31	18.86	30.48	5.93	0	1.72	100.0	25.04	12.23	1006	65.54		
13	23.14	18.55	6.97	22.76	28.59	0	0	0	100.0	23.14	14.2	1038	62.39		
75	19.34	20.19	3.62	18.37	31.11	4.4	0	2.97	100.0	23.74	11.8	1205	64.24		
52	14.49	20.08	5.69	17.5	30.94	11.29	0	0	100.0	25.78	11	1315	62.86		
8	22.88	20.27	6.04	19.56	31.25	0	0	0	100.0	22.88	12.01	1385	61.40		
12	22.91	19.16	6.72	21.68	29.53	0	0	0	100.0	22.91	14.11	1684	65.08		
10	23.21	19.68	6.22	20.56	30.33	0	0	0	100.0	23.21	11	1816	53.50		
58	22.16	22.17	5.28	16.22	34.18	0	0	0	100.0	22.16	9.2	1841	56.72		
11	22.72	20.31	6.11	19.58	31.3	0	0	0	100.0	22.72	12.03	1962	61.50		
9	23.28	20.17	5.87	19.59	31.09	0	0	0	100.0	23.28	12.15	2513	62.02		
3	23.68	20.08	5.69	19.6	30.84	0	0	0	100.0	23.68	11.81	2920	60.26		
76	23.83	20.33	5.45	19.06	31.33	0	0	0	100.0	23.83	10.9	6358	57.18		
77	23.97	20.58	5.21	18.53	31.72	0	0	0	100.0	23.97	8.3	7918	44.79		
78	24.19	20.82	4.97	18	32.1	0	0	0	100.1	24.19	9.8	9285	54.44		
53	24.25	21.07	4.74	17.47	32.47	0	0	0	100.0	24.25	10.7	10429	61.25		
55	22.63	17.85	5.96	23.49	27.52	1.54	0	0	100.0	24.17					
60	19.26	20.1	3.39	17.97	30.98	4.38	2.23	1.69	100.0	23.64					2
61	19.26	20.1	3.39	18.5	30.98	4.38	0	3.38	100.0	23.64					2
66	18.18	18.18	4.54	23.48	28.03	0	2.27	4.31	100.0	18.18					2
67	17.73	17.85	4.54	24.5	27.61	0	2.27	5.6	100.0	17.73					2
73	23.66	18.47	6.71	22.7	28.46	0	0	0	100.0	23.66					2
74	22.83	18.01	7.48	23.81	27.76	0	0	0	100.0	22.83					2
81	23.42	19.98	4.5	19.06	30.79	0	2.25	0	100.0	23.42					2
15	22.63	19.44	5.26	20.94	29.97	0	0	1.75	100.0	22.63					2
16	22.13	18.76	5.26	22.3	28.82	0	0	2.62	100.0	22.13					3
48	23.14	19.36	5.02	20.9	29.84	0	0	1.74	100.0	23.14					3
54	23.89	17.85	6.96	23.78	27.52	0	0	0	100.0	23.89					3
82	23.42	19.98	4.5	19.6	30.79	0	0	1.71	100.0	23.42					3
17	21.83	18.24	5.75	23.42	28.12	0	0	2.64	100.0	21.83					4
49	23.65	19.28	4.78	20.85	29.71	0	0	1.73	100.0	23.65					4

Fig. 5